

Oil Field Environmental Incident Summary

Incident: 20140226162945 **Date/Time of Notice:** 02/26/2014 16:29

Responsible Party: C12 ENERGY: NORTH DAKOTA LLC

Well Operator: C12 ENERGY: NORTH DAKOTA LLC

Well Name: DICKINSON-HEATH-SAND UNIT 06

Field Name: DICKINSON

Well File #: 4831

Date Incident: 2/26/2014

Time Incident: 13:30

Facility ID Number:

County: STARK

Twp: 140

Rng: 96

Sec: 22

Qtr:

Location Description: Spill started on well site and ran south down the lease road to the public road and started to head east through the culvert.

Submitted By: Owen Ryan

Received By:

Contact Person: Owen Ryan
2054 UNIVERSITY AVENUE
SUITE 400
BERKELEY, CA 94794

General Land Use: Pasture

Affected Medium: Topsoil

Distance Nearest Occupied Building: 100 Feet

Distance Nearest Water Well:

Type of Incident: Pipeline Leak

Release Contained in Dike: No

Reported to NRC: No

	Spilled	Units	Recovered	Units	Followup	Units
Oil	2	Barrels			0	barrels
Brine	148	Barrels			140	barrels

Other

Description of Other Released Contaminant:

Inspected:

Written Report Received: 12/16/2014

Clean Up Concluded: 8/28/2014

Risk Evaluation:

Brine has been contained. Is currently being cleaned up to prevent anyone from coming in contact.

Areal Extent:

4860 square feet.

Potential Environmental Impacts:

Will contaminate top soil along lease road and public road in ditches.

Action Taken or Planned:

Spill was stopped by shutting in well 6 and other wells that communicate to that flowline. Spill is currently being contained by sand bags and being sucked up. There are multiple vac trucks on location cleaning up the spill. Top soil will be cleaned up within the next week.

Wastes Disposal Location:**Agencies Involved:****Updates**

Date: 2/26/2014 **Status:** Reviewed - Follow-up Required

Author: Miller, Adam

Updated Oil Volume:**Updated Salt Water Volume:****Updated Other Volume:****Updated Other Contaminant****Notes:**

Large spill flowing off the location. Followup is required.

Date: 2/27/2014 **Status:** Inspection

Author: Stockdill, Scott

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on location at 8:45 2/27/14.

Spill started at the treater and ran on to wellpad. The spill then proceeded to run along the lease road, going through a culvert to the county road, then running through another culvert impacting areas to the south of the location.

At this moment they are unsure what caused the spill, which also included oil (3-5 bbls). The oil did impact areas off of location; however, the flow was only about 25 yards off of location.

The well operator is based out of state and does not have personnel on staff in state. The pumping is done by an independent pumper who is the main in-state contact for the company.

At the time of inspection, 165 bbls of brine and melt water were recovered. The rest was frozen and unrecoverable with a vac truck.

The flow ran approximately 250 yards to the south and west after it crossed the county road.

The contracted pumper has been advised to contact all the area landowners who have had land impacted and be in touch with the SW District Health Unit to coordinate information with the city.

Samples have been taken at the main collection point to determine the amount of brine concentration. Another sample will be taken at the treater when the well is turned back on.

More followup is necessary to ensure proper cleanup.

Date: 3/10/2014 **Status:** Correspondence

Author: Stockdill, Scott

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Contacted Owen Ryan with C12 Energy.

Called Owen to talk about concerns the landowner has and possible issues that may arise. It was recommended that the company contact the landowners affected by this spill.

More followup required.

Date: 4/9/2014 **Status:** Correspondence

Author: Stockdill, Scott

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Phone contact made with company contact at 12:35 4/9/14.

Expressed concerns over the cleanup status of the impacted area. Company contact has assured me that he will be talking with the contractors about what needs to be done regarding the spill.

More followup is necessary.

Date: 4/9/2014 **Status:** Inspection

Author: Stockdill, Scott

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived at location 15:30 4/7/14.

Original cleanup is considered insufficient with brine-impacted soil still visible and roughly 20-30 gallons of crude oil still on the well pad, as well as in the surrounding area.

More followup is necessary.

Date: 4/14/2014 **Status:** Inspection

Author: Martin, Russell

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

4/17/2014 at 15:00, on location. Oil spotting off well pad still visible to south along lease road, but no visible impact once drainage reaches 45th St W. Oil stains also visible on east-central area of pad.

Date: 5/8/2014 **Status:** Inspection

Author: Stockdill, Scott

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on location at 11:45 5/8/14.

Asked company contact to meet me at the location to go over what needs to be done at the site for proper cleanup. Company contact did not show.

Left site at 13:30 5/8/14.

More followup is necessary.

Date: 6/4/2014 **Status:** Inspection

Author: Martin, Russell

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

6/4/2014 at 9:45, on location. Pile of dirt at well pad does not appear stained. Oil spots from previous inspection still present; no removal appears to have taken place. Results of inspection passed on to other NDDoH inspector.

Date: 5/29/2015 **Status:** Awaiting Documentation

Author: Espe, Brady

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Received requested documentation.

Date: 5/29/2015 **Status:** Correspondence

Author: Espe, Brady

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Requested more information on the site.

Date: 7/20/2015 **Status:** Inspection

Author: Espe, Brady

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

I arrived at the site at 16:16. The weather was sunny, 77°F, with the wind from the northwest 10-15 mph. The area coming from the pad towards the 45th Street west ditch is partly vegetated with weeds. The erosion control mats are still in place. No visible impact in the ditch or south side of road. The ditch is dry. More follow-up needed to check on vegetation growth.